

NEW COMBINATIONS IN *MEZOBROMELIA* AND *RACINAEA*  
(BROMELIACEAE: TILLANDSIOIDEAE)

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ABSTRACT

New combinations are made in *Mezobromelia* L.B. Smith for three species previously attributed to *Vriesea*: *Mezobromelia capituligera* (Grisebach) J.R. Grant, *M. hospitalis* (L.B. Smith) J.R. Grant, and *M. magdalenae* (L.B. Smith) J.R. Grant. In addition to the 46 species attributed to *Racinaea* by Spencer & Smith (1993), five more are here added. These new combinations include: *Racinaea almeriae* (Rauh) J.R. Grant, *R. domingosmartinis* (Rauh) J.R. Grant, *R. hauggiae* (Rauh) J.R. Grant, *R. nervibractea* (Gilmartin & Luther) J.R. Grant, and *R. pseudotetrantha* (Gilmartin & Luther) J.R. Grant.

KEY WORDS: Bromeliaceae, Tillandsioideae, *Mezobromelia*, *Vriesea*, *Racinaea*, *Tillandsia*

Revisionary studies undertaken to define the taxonomic limits of the genera of the Tillandsioideae have revealed the need for a number of transfers. Three species previously attributed to *Vriesea* are here transferred to *Mezobromelia* due to their appendaged and partially agglutinated petals.

*Mezobromelia capituligera* (Grisebach) J.R. Grant, *comb. nov.* BASIONYM: *Tillandsia capituligera* Grisebach, *Cat. Pl. Cub.* 254. 1866. *Vriesea capituligera* (Grisebach) L.B. Smith & Pittendrigh, *J. Wash. Acad. Sci.* 43:402. 1953. TYPE: CUBA. eastern part, *Wright 3275* (HOLOTYPE: GOET, photo US; Isotype: GH).

*Mezobromelia hospitalis* (L.B. Smith) J.R. Grant, *comb. nov.* BASIONYM: *Tillandsia hospitalis* L.B. Smith, *Caldasia* 5:13. 1948. *Vriesea hospitalis* (L.B. Smith) L.B. Smith, *Phytologia* 5:397. 1956. TYPE: COLOMBIA. Magdalena: Hacienda Cincinnati, mountains of Santa Marta, 3 Aug 1946, *Foster & Smith 1403* (HOLOTYPE: GH).

***Mezobromelia magdalenae*** (L.B. Smith) J.R. Grant, *comb. nov.* BASIONYM: *Vriesea magdalenae* L.B. Smith, *Phytologia* 8:500. 1963. TYPE: COLOMBIA. Magdalena: near Cebolleta, 1 Feb 1959, *Castañeda 7199* (HOLOTYPE: US).

Spencer & Smith (1993) suggested that three Rauh species probably belonged to *Racinaea*, but were unable to place them. Based on the presence of distichously arranged flowers, and obovate, asymmetric sepals, I have concluded that these three species as well as two Gilmartin & Luther species belong to *Racinaea*.

***Racinaea almeriae*** (Rauh) J.R. Grant, *comb. nov.* BASIONYM: *Tillandsia almeriae* Rauh, *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt* 58:19. 1986. TYPE: COLOMBIA. Between Ibaque and Almeria, *Rauh 37152a* (HOLOTYPE: HEID).

***Racinaea domingosmartinis*** (Rauh) J.R. Grant, *comb. nov.* BASIONYM: *Tillandsia domingosmartinis* Rauh, *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt* 79:17. 1991. TYPE: BRAZIL. Espírito Santo: Domingos Martins, *Rauh 67614* (HOLOTYPE: HB).

***Racinaea hauggiae*** (Rauh) J.R. Grant, *comb. nov.* BASIONYM: *Tillandsia hauggiae* Rauh, *Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt* 52:46. 1985. TYPE: ECUADOR. Azuay: Cuenca-Giron, *Haugg & Ehlers E. 109* (HOLOTYPE: HEID).

***Racinaea nervibractea*** (Gilmartin & Luther) J.R. Grant, *comb. nov.* BASIONYM: *Tillandsia nervibractea* Gilmartin & Luther, *J. Brom. Soc.* 40(6):250. 1990. TYPE: ECUADOR. Without locality, flowered in cultivation at the Brooklyn Botanic Garden, *Kalmbacher s.n.* (HOLOTYPE: US).

***Racinaea pseudotetrantha*** (Gilmartin & Luther) J.R. Grant, *comb. nov.* BASIONYM: *Tillandsia pseudotetrantha* Gilmartin & Luther, *J. Brom. Soc.* 40(6):250. 1990. TYPE: ECUADOR. El Oro, 11 km W of Pinas, road to Sta. Rosa ("new road"), *Dodson, Gentry, & Shupp 9075* (HOLOTYPE: SEL).

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## LITERATURE CITED

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